EPA Region 5 Records Ctr.
222386

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

REGION 5 CENTRAL REGIONAL LABORATORY

536 SOUTH CLARK STREET

CHICAGO, ILLINOIS 60605

Date: APR 04 2000

Subject: Review of Region 5 Data for Himco Dump

From: ESAT , Chemist
Region 5 Central Regional Laboratory

To:

Attached are the results for Site: Himco Dump Code: 054J
CRL Data Set Number: 20000024
for analyses of : ICP
Results are reported for sample numbers: 2000SY01S01, 2000SY01S02, 2000SY01S03, 2000SY01S04, 2000SY01S05, 2000SY01S06, 2000SY01S07, 2000SY01S08, 2000SY01S09, 2000SY01S10, 2000SY01S11, 2000SY01S12, 2000SY01S13, 2000SY01S14 and 2000SY01R12

Results Status:
(x) Acceptable for Use
( ) Data Qualified, but Acceptable for use
( ) Data Unacceptable for Use

CRL Data Review Qualification Codes

QUALIFIER	DESCRIPTION
B	This flag is used when the analyte is found in the associated ***B***lank as well as the sample. It indicates possible blank contamination and warns the user to take appropriate action while assessing the data.
D	This flag is used when the analyte concentration results from a required ***D***ilution of the sample, extract or digestate.
E	This flag is used to identify analyte concentrations ***E***xceeding the upper calibration range of the analytical instrument after dilution of the sample, extract or digestate. .The reported value is considered to be estimated
J	This flag is used when the analyte is confirmed to be qualitatively present in the sample, extract or digestate, at or above the CRL reporting limit (RL) but the quantitated value is estimated due to quality control limit(s) being exceeded. This flag accompanies all GC/MS tentatively identified compounds (TICs). This flag also applies to a suspected, unidentified interference. (*J* is the flag used in the Superfund CLP SOW and Data Review Functional Guidelines and is used by CRL for consistency.)
M	This flag is used when the analyte is confirmed to be qualitatively present in the sample, extract or digestate, at or above the CRL ***M***ethod Detection Limit (MDL) but below the CRL reporting limit (RL). This flag applies to all values in this concentration range and indicates the quantitated value is estimated due to its presence in this concentration range.
N	This flag applies to GC/MS Te***N***tatively Identified Compounds (TICs) that have a mass spectral library match.
Q	This flag applies to analyte data that are severely estimated due to quality control and/or ***Q***uantitation problems, but are confirmed to be qualitatively present in the sample. No value is reported with this qualification flag.
R	This flag applies to analyte data that are ***R***ejected and unusable due to severe quality control, quantitation and/or qualitative identification problems. No other qualification flags are reported for this analyte. No value is reported with this qualification flag.
U	This flag in used when the analyte was analyzed but ***U***ndetected in the sample. The CRL RL for the analyte accompanies this flag. As with sample results that are positive, the value is corrected for dry weight, dilution and/or sample weight or volume.

EPA CRL - REGION V
ICP FINAL RESULTS REPORT

REPORT PRODUCED ON: 22-Mar-00

SAMPLE ORGANIZATION:

SAMPLE BATCH ID: 20000024

LABORATORY: REGION 5 CRL

SAMPLE FACILITY: Himco Dump

SAMPLE: 2000SY01S01

ANALYZED: 21-Mar-00

STATION: B-1

COMPOUND	AMOUNT			(Units)
Aluminum	26	U		(ug/L)
Barium	118			(ug/L)
Beryllium	1.6	U	J	(ug/L)
Calcium	57200		J	(ug/L)
Chromium	3.4	U	J	(ug/L)
Cobalt	10.1	U		(ug/L)
Copper	4	U		(ug/L)
Iron	509			(ug/L)
Magnesium	22000			(ug/L)
Manganese	40.4			(ug/L)
Nickel	19.4	U		(ug/L)
Potassium	2080			(ug/L)
Silver	6.8	U		(ug/L)
Sodium	50700			(ug/L)
Vanadium	3.9	U		(ug/L)
Zinc	22.2	M	J	(ug/L)

ANALYZED BY: _____ 3-22-00

EPA CRL - REGION V
ICP FINAL RESULTS REPORT

REPORT PRODUCED ON: 22-Mar-00

SAMPLE ORGANIZATION:

SAMPLE BATCH ID: 20000024

LABORATORY: REGION 5 CRL

SAMPLE FACILITY: Himco Dump

SAMPLE: 2000SY01S02

ANALYZED: 21-Mar-00

STATION: B-3

COMPOUND	AMOUNT			(Units)
Aluminum	26	U		(ug/L)
Barium	61.8			(ug/L)
Beryllium	1.6	U	J	(ug/L)
Calcium	87600		J	(ug/L)
Chromium	3.4	U	J	(ug/L)
Cobalt	10.1	U		(ug/L)
Copper	4	U		(ug/L)
Iron	418			(ug/L)
Magnesium	27200			(ug/L)
Manganese	299			(ug/L)
Nickel	19.4	U		(ug/L)
Potassium	1240			(ug/L)
Silver	6.8	U		(ug/L)
Sodium	19700			(ug/L)
Vanadium	3.9	U		(ug/L)
Zinc	10.3	U		(ug/L)

ANALYZED BY: _____ 3-22-00

EPA CRL - REGION V
ICP FINAL RESULTS REPORT

REPORT PRODUCED ON: 22-Mar-00

SAMPLE ORGANIZATION:

SAMPLE BATCH ID: *20000024*

LABORATORY: REGION 5 CRL

SAMPLE FACILITY: Himco Dump

SAMPLE: 2000SY01S03

ANALYZED: 21-Mar-00

STATION: 54253 Westwood

COMPOUND	AMOUNT	(Units)
Aluminum	26 U	(ug/L)
Barium	128	(ug/L)
Beryllium	1.6 U J	(ug/L)
Calcium	*91500* J	(ug/L)
Chromium	3.4 U J	(ug/L)
Cobalt	10.1 U	(ug/L)
Copper	7.3 M	(ug/L)
Iron	1670	(ug/L)
Magnesium	26500	(ug/L)
Manganese	213	(ug/L)
Nickel	19.4 U	(ug/L)
Potassium	1330	(ug/L)
Silver	6.8 U	(ug/L)
Sodium	14500	(ug/L)
Vanadium	3.9 U	(ug/L)
Zinc	44.3 M J	(ug/L)

ANALYZED BY: _____ 3-22-00

EPA CRL - REGION V
ICP FINAL RESULTS REPORT

REPORT PRODUCED ON: 22-Mar-00

SAMPLE ORGANIZATION:

SAMPLE BATCH ID: 20000024

LABORATORY: REGION 5 CRL

SAMPLE FACILITY: Himco Dump

SAMPLE: 2000SY01S04

ANALYZED: 21-Mar-00

STATION: 54271 Westwood

COMPOUND	AMOUNT			(Units)
Aluminum	26	U		(ug/L)
Barium	50.4			(ug/L)
Beryllium	1.6	U	J	(ug/L)
Calcium	101000		J	(ug/L)
Chromium	3.4	U	J	(ug/L)
Cobalt	10.1	U		(ug/L)
Copper	7.3	M		(ug/L)
Iron	104		B J	(ug/L)
Magnesium	21700			(ug/L)
Manganese	359			(ug/L)
Nickel	19.4	U		(ug/L)
Potassium	1790			(ug/L)
Silver	6.8	U		(ug/L)
Sodium	22600			(ug/L)
Vanadium	3.9	U		(ug/L)
Zinc	17.4	M	J	(ug/L)

ANALYZED BY: _____ 3-22-00

EPA CRL - REGION V
ICP FINAL RESULTS REPORT

REPORT PRODUCED ON: 22-Mar-00

SAMPLE ORGANIZATION:

SAMPLE BATCH ID: 20000024

LABORATORY: REGION 5 CRL

SAMPLE FACILITY: Himco Dump

SAMPLE: 2000SY01S05

ANALYZED: 21-Mar-00

STATION: 54215 Westwood

COMPOUND	AMOUNT			(Units)
Aluminum	26	U		(ug/L)
Barium	32.8			(ug/L)
Beryllium	1.6	U	J	(ug/L)
Calcium	91800		J	(ug/L)
Chromium	3.4	U	J	(ug/L)
Cobalt	10.1	U		(ug/L)
Copper	14.2	M		(ug/L)
Iron	22.4	U		(ug/L)
Magnesium	19800		J	(ug/L)
Manganese	3.2	U		(ug/L)
Nickel	21.4	M		(ug/L)
Potassium	4650			(ug/L)
Silver	6.8	U		(ug/L)
Sodium	126000			(ug/L)
Vanadium	3.9	U		(ug/L)
Zinc	96.5		J	(ug/L)

ANALYZED BY: [signature] 3-22-00

EPA CRL - REGION V
ICP FINAL RESULTS REPORT

REPORT PRODUCED ON: 29-Mar-00

SAMPLE ORGANIZATION:

SAMPLE BATCH ID: 20000024

LABORATORY: REGION 5 CRL

SAMPLE FACILITY: Himco Dump

SAMPLE: 2000SY01S06

ANALYZED: 21-Mar-00

STATION: 27964 Westwood

COMPOUND	AMOUNT			(Units)
Aluminum	26	U		(ug/L)
Barium	113			(ug/L)
Beryllium	1.6	U	J	(ug/L)
Calcium	113000		J	(ug/L)
Chromium	3.4	U	J	(ug/L)
Cobalt	10.1	U		(ug/L)
Copper	11.9	M		(ug/L)
Iron	5860			(ug/L)
Magnesium	16100		J	(ug/L)
Manganese	73			(ug/L)
Nickel	19.4	U		(ug/L)
Potassium	2610			(ug/L)
Silver	6.8	U		(ug/L)
Sodium	13500			(ug/L)
Vanadium	3.9	U		(ug/L)
Zinc	19	M	J	(ug/L)

ANALYZED BY: 3-29-00

EPA CRL - REGION V
ICP FINAL RESULTS REPORT

REPORT PRODUCED ON: 29-Mar-00

SAMPLE ORGANIZATION:

SAMPLE BATCH ID: 20000024

LABORATORY: REGION 5 CRL

SAMPLE FACILITY: Himco Dump

SAMPLE: 2000SY01S07

ANALYZED: 21-Mar-00

STATION: 27948 Westwood

COMPOUND	AMOUNT			(Units)
Aluminum	26	U		(ug/L)
Barium	102			(ug/L)
Beryllium	1.6	U	J	(ug/L)
Calcium	122000		J	(ug/L)
Chromium	3.5	M	J	(ug/L)
Cobalt	10.1	U		(ug/L)
Copper	4.1	M		(ug/L)
Iron	6120			(ug/L)
Magnesium	16000		J	(ug/L)
Manganese	72.3			(ug/L)
Nickel	19.4	U		(ug/L)
Potassium	2870			(ug/L)
Silver	6.8	U		(ug/L)
Sodium	33200			(ug/L)
Vanadium	3.9	U		(ug/L)
Zinc	30.1	M	J	(ug/L)

ANALYZED BY: 3-29-00

EPA CRL - REGION V
ICP FINAL RESULTS REPORT

REPORT PRODUCED ON: 29-Mar-00

SAMPLE ORGANIZATION:

SAMPLE BATCH ID: 20000024

LABORATORY: REGION 5 CRL

SAMPLE FACILITY: Himco Dump

SAMPLE: 2000SY01S08

ANALYZED: 21-Mar-00

STATION: 27919 Westwood

COMPOUND	AMOUNT			(Units)
Aluminum	26	U		(ug/L)
Barium	28.1			(ug/L)
Beryllium	1.6	U	J	(ug/L)
Calcium	103000		J	(ug/L)
Chromium	3.4	U	J	(ug/L)
Cobalt	10.1	U		(ug/L)
Copper	9	M		(ug/L)
Iron	51.1	M	B J	(ug/L)
Magnesium	19000		J	(ug/L)
Manganese	146			(ug/L)
Nickel	19.4	U		(ug/L)
Potassium	3660			(ug/L)
Silver	6.8	U		(ug/L)
Sodium	56700			(ug/L)
Vanadium	3.9	U		(ug/L)
Zinc	20.5	M	J	(ug/L)

ANALYZED BY: _____ 3-29-00

EPA CRL - REGION V
ICP FINAL RESULTS REPORT

REPORT PRODUCED ON: 22-Mar-00

SAMPLE ORGANIZATION:

SAMPLE BATCH ID: 20000024

LABORATORY: REGION 5 CRL

SAMPLE FACILITY: Himco Dump

SAMPLE: 2000SY01S09

ANALYZED: 21-Mar-00

STATION: 54280 Westwood

COMPOUND	AMOUNT			(Units)
Aluminum	26	U		(ug/L)
Barium	72.8			(ug/L)
Beryllium	1.6	U	J	(ug/L)
Calcium	105000		J	(ug/L)
Chromium	3.4	U	J	(ug/L)
Cobalt	10.1	U		(ug/L)
Copper	26.1	M		(ug/L)
Iron	22.4	U		(ug/L)
Magnesium	20200			(ug/L)
Manganese	355			(ug/L)
Nickel	19.4	U		(ug/L)
Potassium	2580			(ug/L)
Silver	6.8	U		(ug/L)
Sodium	65400			(ug/L)
Vanadium	3.9	U		(ug/L)
Zinc	31.5	M	J	(ug/L)

ANALYZED BY: _____ 3-22-00

EPA CRL - REGION V
ICP FINAL RESULTS REPORT

REPORT PRODUCED ON: 22-Mar-00

SAMPLE ORGANIZATION:

SAMPLE BATCH ID: 20000024

LABORATORY: REGION 5 CRL

SAMPLE FACILITY: Himco Dump

SAMPLE: 2000SY01S10

ANALYZED: 21-Mar-00

STATION: 54231 Westwood

COMPOUND	AMOUNT			(Units)
Aluminum	26	U		(ug/L)
Barium	43.5			(ug/L)
Beryllium	1.6	U	J	(ug/L)
Calcium	115000		J	(ug/L)
Chromium	3.4	U	J	(ug/L)
Cobalt	14	M	J	(ug/L)
Copper	6.1	M		(ug/L)
Iron	25.3	M	B J	(ug/L)
Magnesium	20800			(ug/L)
Manganese	3.2	U		(ug/L)
Nickel	19.4	U		(ug/L)
Potassium	4300			(ug/L)
Silver	6.8	U		(ug/L)
Sodium	82500			(ug/L)
Vanadium	3.9	U		(ug/L)
Zinc	160		J	(ug/L)

ANALYZED BY: _____ 3-22-00

EPA CRL - REGION V
ICP FINAL RESULTS REPORT

REPORT PRODUCED ON: 22-Mar-00

SAMPLE ORGANIZATION:

SAMPLE BATCH ID: 20000024

LABORATORY: REGION 5 CRL

SAMPLE FACILITY: Himco Dump

SAMPLE: 2000SY01S11

ANALYZED: 21-Mar-00

STATION: 54305 Westwood

COMPOUND	AMOUNT			(Units)
Aluminum	26	U		(ug/L)
Barium	60.4			(ug/L)
Beryllium	1.6	U	J	(ug/L)
Calcium	177000		J	(ug/L)
Chromium	3.4	U	J	(ug/L)
Cobalt	10.1	U		(ug/L)
Copper	4	U		(ug/L)
Iron	2170			(ug/L)
Magnesium	18200		J	(ug/L)
Manganese	1560			(ug/L)
Nickel	19.4	U		(ug/L)
Potassium	5270			(ug/L)
Silver	6.8	U		(ug/L)
Sodium	44400			(ug/L)
Vanadium	3.9	U		(ug/L)
Zinc	17.4	M	J	(ug/L)

ANALYZED BY: _____ 3-22-00

Sylvia Griffin APR 04 2000

CRL Data Management Coordinator and Date Received

Date Transmitted: APR 04 2000

Please have the US EPA project leader fill out the customer survey form on the Region 5 Intranet: http://www.r5intra.epa.gov/crl/qa.html, (← by clicking on this link, or call George Schupp, CRL Sample Coordinator, at 3-1226).

Please sign and date this form below and return it with any comments to:

Sylvia Griffin
Data Management Coordinator
Region 5 Central Regional Laboratory
ML - 10C

Received by and Date

Comments: